

## SEQUENCE LISTING

<110> Merck & Co., Inc.  
Harada, Shun-ichi  
Kasparcova, Viera  
Glantschnig, Helmut

<120> RHESUS MONKEY DICKKOPF-1, NUCLEOTIDES  
ENCODING SAME, AND USES THEREOF

<130> 21350

<150> 60/520,708

<151> 2003-11-17

<160> 22

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 801

<212> DNA

<213> Macaca mulatta

<400> 1

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<210> 2

<211> 266

<212> PRT

<213> Macaca mulatta

<400> 2

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 20          25          30
Leu Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro
 35          40          45
Leu Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro
 50          55          60
Gly Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr
 65          70          75          80
Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr
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Asn	Phe	Arg	Gly	Glu	Ile	Glu	Glu	Thr	Ile	Thr	Glu	Ser	Phe	Gly	Asn				
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Lys	Met	Tyr	His	Ser	Lys	Gly	Gln	Glu	Gly	Ser	Val	Cys	Leu	Arg	Ser				
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Ser	Asp	Cys	Ala	Thr	Gly	Leu	Cys	Cys	Ala	Arg	His	Phe	Trp	Ser	Lys				
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225					230					235					240				
Glu	Gly	Leu	Ser	Cys	Arg	Ile	Gln	Lys	Asp	His	His	Gln	Ala	Ser	Asn				
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Ser	Ser	Arg	Leu	His	Thr	Cys	Gln	Arg	His										
			260					265											

&lt;210&gt; 3

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Rat Dkk-1 forward primer

&lt;400&gt; 3

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21

&lt;210&gt; 4

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Rat Dkk-1 reverse primer

&lt;400&gt; 4

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23

&lt;210&gt; 5

&lt;211&gt; 26

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Rat Dkk-1 Probe

&lt;400&gt; 5

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26

&lt;210&gt; 6

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<400> 7  
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<220>  
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<210> 13  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'h Dkk-1 Reverse

<400> 13  
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<210> 14  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'h Dkk-1 Forward

<400> 14  
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<210> 15  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'h Dkk-1 Reverse

<400> 15  
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<210> 16  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> h Dkk-1 R3

<400> 16

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&lt;210&gt; 17

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; h Dkk-1 F3

&lt;400&gt; 17

cacatagcgt gacgcatgca

20

&lt;210&gt; 18

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; rh Dkk-1 Eco RI-F

&lt;400&gt; 18

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35

&lt;210&gt; 19

&lt;211&gt; 38

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; h Dkk-1 Eco RI-R

&lt;400&gt; 19

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38

&lt;210&gt; 20

&lt;211&gt; 801

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

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gctatcaaga	acctgcccc	accgctgggc	ggcgtgcgg	ggcaccagg	ctctgcagtc	180
agcgccgcgc	cgggaatcct	gtaccggggc	gggaataagt	accagaccat	tgacaactac	240
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acccgcggag	gggacgcggg	cgtgcaaata	tgtctcgct	gcaggaagcg	ccgaaaacgc	360
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tctgatcaaa	atcatttccg	aggagaaatt	gaggaaacca	tcactgaaag	ctttggtaat	480
gatcatagca	ccttggtatg	gtattccaga	agaaccacct	tgtcttcaaa	aatgtatcac	540
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accaagcata	ggagaaaagg	ctctcatgga	ctagaaatat	tccagcgttg	ttactgtgga	720
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&lt;210&gt; 21

&lt;211&gt; 265

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

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Met Met Ala Leu Gly Ala Ala Gly Ala Arg Val Phe Val Ala Met Val
 1          5          10          15
Ala Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr Leu
 20          25          30
Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro Leu
 35          40          45
Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly
 50          55          60
Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln
 65          70          75          80
Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr Cys
 85          90          95
Ala Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu Ala
 100          105          110
Cys Arg Lys Arg Arg Lys Arg Cys Met Arg His Ala Met Cys Cys Pro
 115          120          125
Gly Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn His
 130          135          140
Phe Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn Asp
 145          150          155          160
His Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys
 165          170          175
Met Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser
 180          185          190
Asp Cys Ala Ser Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile
 195          200          205
Cys Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg Arg
 210          215          220
Lys Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly Glu
 225          230          235          240
Gly Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser
 245          250          255
Ser Arg Leu His Thr Cys Gln Arg His
 260          265

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&lt;210&gt; 22

&lt;211&gt; 272

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 22

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Met Met Val Val Cys Ala Pro Ala Ala Val Arg Phe Leu Ala Val Phe
 1          5          10          15
Thr Met Met Ala Leu Cys Ser Leu Pro Leu Leu Gly Ala Ser Ala Thr
 20          25          30
Leu Asn Ser Val Leu Ile Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro
 35          40          45
Pro Leu Gly Gly Ala Gly Gly Gln Pro Gly Ser Ala Val Ser Val Ala
 50          55          60
Pro Gly Val Leu Tyr Glu Gly Gly Asn Lys Tyr Gln Thr Leu Asp Asn
 65          70          75          80
Tyr Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Ser Asp Glu
 85          90          95
Tyr Cys Ser Ser Pro Ser Arg Gly Ala Ala Gly Val Gly Gly Val Gln
 100          105          110

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Ile	Cys	Leu	Ala	Cys	Arg	Lys	Arg	Arg	Lys	Arg	Cys	Met	Thr	His	Ala	
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Met	Cys	Cys	Pro	Gly	Asn	Tyr	Cys	Lys	Asn	Gly	Ile	Cys	Met	Pro	Ser	
	130						135				140					
Asp	His	Ser	His	Phe	Pro	Arg	Gly	Glu	Ile	Glu	Glu	Ser	Ile	Ile	Glu	
145					150					155					160	
Asn	Leu	Gly	Asn	Asp	His	Asn	Ala	Ala	Ala	Gly	Asp	Gly	Tyr	Pro	Arg	
				165						170					175	
Arg	Thr	Thr	Leu	Thr	Ser	Lys	Ile	Tyr	His	Thr	Lys	Gly	Gln	Glu	Gly	
			180					185					190			
Ser	Val	Cys	Leu	Arg	Ser	Ser	Asp	Cys	Ala	Ala	Gly	Leu	Cys	Cys	Ala	
	195						200					205				
Arg	His	Phe	Trp	Ser	Lys	Ile	Cys	Lys	Pro	Val	Leu	Lys	Glu	Gly	Gln	
	210					215					220					
Val	Cys	Thr	Lys	His	Lys	Arg	Lys	Gly	Ser	His	Gly	Leu	Glu	Ile	Phe	
225					230					235					240	
Gln	Arg	Cys	Tyr	Cys	Gly	Glu	Gly	Leu	Ala	Cys	Arg	Ile	Gln	Lys	Asp	
				245					250					255		
His	His	Gln	Ala	Ser	Asn	Ser	Ser	Arg	Leu	His	Thr	Cys	Gln	Arg	His	
			260					265					270			